

Analysis Method: 9034

ANALYST: mohammad

Parameter: Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB122564

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2843
IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2766

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
1	PB148490BL		1	50	50	5.00	0.00	4.88	4.88	0.12	0.00	0.00	10/21/2022	12:34
2	PB148490BS	25	1	50	50	5.00	0.00	2.22	2.22	2.78	2.66	21.28	10/21/2022	12:36
3	N4788-30		1	50	50	5.00	0.00	4.38	4.38	0.62	0.50	4.00	10/21/2022	12:36
4	N4955-07		1	50	50	5.00	0.00	4.78	4.78	0.22	0.10	0.80	10/21/2022	12:39
5	N4955-08		1	50	50	5.00	0.00	4.72	4.72	0.28	0.16	1.28	10/21/2022	12:40
6	N4955-09		1	50	50	5.00	0.00	4.82	4.82	0.18	0.06	0.48	10/21/2022	12:40
7	N5185-01		1	50	50	5.00	0.00	4.50	4.50	0.50	0.38	3.04	10/21/2022	12:43
8	N5185-01DUP		1	50	50	5.00	0.00	4.51	4.51	0.49	0.37	2.96	10/21/2022	12:44
9	N5185-01MS	25	1	50	50	5.00	0.00	2.10	2.10	2.90	2.78	22.24	10/21/2022	12:45
10	N5185-01MSD	25	1	50	50	5.00	0.00	2.12	2.12	2.88	2.76	22.08	10/21/2022	12:45
11	N5185-03		1	50	50	5.00	0.00	4.20	4.20	0.80	0.68	5.44	10/21/2022	12:45

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

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Starch Solution, 4L	W2766

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
12	N5185-05		1	50	50	5.00	0.00	4.60	4.60	0.40	0.28	2.24	10/21/2022	12:46
13	N5185-07		1	50	50	5.00	0.00	4.52	4.52	0.48	0.36	2.88	10/21/2022	12:47
14	N5185-09		1	50	50	5.00	0.00	4.60	4.60	0.40	0.28	2.24	10/21/2022	12:48
15	N5185-11		1	50	50	5.00	0.00	4.56	4.56	0.44	0.32	2.56	10/21/2022	12:49
16	N5185-13	25	1	50	50	5.00	0.00	2.14	2.14	2.86	2.74	21.92	10/21/2022	12:49
17	N5185-14	25	1	50	50	5.00	0.00	2.12	2.12	2.88	2.76	22.08	10/21/2022	12:50
18	N5185-17		1	50	50	5.00	0.00	4.56	4.56	0.44	0.32	2.56	10/21/2022	12:50
19	N5185-19		1	50	50	5.00	0.00	4.60	4.60	0.40	0.28	2.24	10/21/2022	12:50
20	N5185-21		1	50	50	5.00	0.00	4.00	4.00	1.00	0.88	7.04	10/21/2022	12:51
21	N5185-23		1	50	50	5.00	0.00	4.20	4.20	0.80	0.68	5.44	10/21/2022	12:51

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume